

Thomas Bruun  
Director

## COUNTY OF PRINCE WILLIAM

5 County Complex Court, Suite 250  
Prince William, Virginia 22192-5308  
(703) 792-6254 Metro 631-1703 Fax (703) 792-4617

DEPARTMENT OF  
PUBLIC WORKS

Solid Waste  
Division

March 30, 2015



Ms. Susan D. Mackert  
Environmental Specialist II Senior II  
Department of Environmental Quality  
13901 Crown Court  
Woodbridge, VA 22193

Dear Ms. Mackert:

Prince William County Department of Public Works Solid Waste Division resubmits the attached package for reissuance of the VPDES Permit No. VA 0088510 for the Balls Ford Road Yard Waste Composting Facility. As requested, items on Form 1 Part II - Pollutant Characteristics, Form 1 Part VII - SIC Codes, and Form 2F Part IV.C - Narrative Description of Pollutant Sources have all been updated.

Please find the enclosed packet containing an original and 1 copy of the amended permit application as requested by your office.

If you have any questions or additional information is needed, please call Bernie Osilka at (703) 792-7966 or myself at (703) 792-6254.

Sincerely,

Thomas J. Smith, P.E.  
Solid Waste Division Chief

Attachment: 1. VPDES Permit No. VA0088510

BCO/bco/VPDES-Balls Ford Road



Thomas Bruun  
Director

## COUNTY OF PRINCE WILLIAM

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Prince William, Virginia 22192-5308  
(703) 792-6254 Metro 631-1703 Fax (703) 792-4617

DEPARTMENT OF  
PUBLIC WORKS

Solid Waste  
Division

March 13, 2015

Ms. Susan D. Mackert  
Environmental Specialist II Senior II  
Department of Environmental Quality  
13901 Crown Court  
Woodbridge, VA 22193



Dear Ms. Mackert:

Prince William County Department of Public Works Solid Waste Division submits the attached package for reissuance of the VPDES Permit No. VA 0088510 for the Balls Ford Road Yard Waste Composting Facility. Two original signed copies of the application are included.

If you have any questions or additional information is needed, please call Bernie Osilka at (703) 792-7966 or myself at (703) 792-6254.

Sincerely,

Thomas J. Smith, P.E.  
Solid Waste Division Chief

- Attachments:
1. EPA General Form 1
  2. EPA Form 2F
  3. Five related items as required

BCO/bco/VPDES-Balls Ford Road

<div style="display: flex; align-items: center; justify-content: space-between;"><div style="text-align: center;"><b>FORM</b> <b>1</b> <b>GENERAL</b></div><div style="text-align: center;"> <b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b> <b>GENERAL INFORMATION</b> <i>Consolidated Permits Program</i> <i>(Read the "General Instructions" before starting.)</i></div><div style="text-align: center;"><b>I. EPA I.D. NUMBER</b> <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"><div style="width: 80%;"><b>S</b> F VA0088510</div><div style="width: 10%; text-align: center;"><b>T/A</b>  <b>C</b> D</div></div></div></div>																																																								
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<b>II. POLLUTANT CHARACTERISTICS</b>																																																								
<b>INSTRUCTIONS:</b> Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of <b>bold-faced terms</b> .																																																								
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VII. SIC CODES (4-digit, in order of priority)

### VIII. OPERATOR INFORMATION

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box: if "Other," specify.)E. STREET OR P.O. BOXF. CITY OR TOWN

## X. EXISTING ENVIRONMENTAL PERMITS

## XI. MAP

XII. NATURE OF BUSINESS (provide a brief description)

XIII. CERTIFICATION (see instructions)

A. NAME & OFFICIAL TITLE (type or print)

COMMENTS FOR OFFICIAL USE ONLYEPA Form 3510-1 (8-90)

Please print or type in the unshaded areas only.

[illegible]

Continued from the Front

#### IV. Narrative Description of Pollutant Sources

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
001	3 Acres	17 Acres	N/A	N/A	N/A

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water, method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas, and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

Leaves, grass, and brush are received at the site, processed and put in windrows. The material is screened with bags and unaccepted material segregated. This material is loaded in trailers and taken to the landfill. The finished product is sold.

The facility is bermed so that the stormwater is channeled away from the operation.

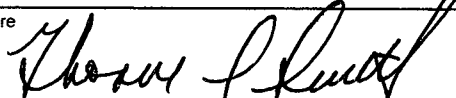
Pesticides, herbicides, soil conditioners and fertilizers are not applied in the processing the material.

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
001	Stormwater flows to two separate sedimentation ponds. It then flows into a retention pond. From a controlled outlet in the retention pond the water discharges off site. Air diffusers are installed in two of the ponds. All ponds are inspected on a regular basis. Employees are trained in pollution control techniques.	1-U, 4-A

#### V. Nonstormwater Discharges

A. I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharged from these outfall(s) are identified in either an accompanying Form 2C or Form 25 application for the outfall.

Name and Official Title (type or print)	Signature	Date Signed
Thomas J Smith, SW Division Chief		3/27/15

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

A grab sample was taken for the presence of nonstorm water discharge on February 23, 2015.

#### VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

No significant leaks or spills have occurred in the past five years.

Continued from Page 2

EPA ID Number (copy from Item 1 of Form 1)  
VA0088510**VII. Discharge Information**

A, B, C, & D: See instructions before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided.  
Table VII-A, VII-B, VII-C are included on separate sheets numbers VII-1 and VII-2.

E. Potential discharges not covered by analysis – is any toxic pollutant listed in table 2F-2, 2F-3, or 2F-4, a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

☒ Yes (list all such pollutants below)☐ No (go to Section IX)

001 Oil and Grease

**VIII. Biological Toxicity Testing Data**

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☒ Yes (list all such pollutants below)☐ No (go to Section IX)

Biological Toxicity test has been conducted since 1995 for Outfall 001.

**IX. Contract Analysis Information**

Were any of the analyses reported in Item VII performed by a contract laboratory or consulting firm?

☒ Yes (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)☐ No (go to Section X)

A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed
Air Water & Soil	1941 Reymet Road, Richmond Va, 23230	804-358-8295	TSS, BOD, TKN, COD, and other pollutants as required.
Coastal Bioanalysts, Inc	6400 Enterprise Court, Gloucester, Va 23061	804-694-8285	Acute Toxicity
Environmental Systems Services, Ltd. (ESS)	218 Norht Main Street, Culpepper, VA 22701	540-825-6660	TSS, BOD, TKN, COD, and other pollutants as required.

**X. Certification**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.


A. Name &amp; Official Title (Type Or Print)

Thomas Bruun, Director Public Works

B. Area Code and Phone No.

(703) 792-6253

C. Signature



D. Date Signed

3/27/15

Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Part B – List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

EPA Form 3510-2F (1-92) Page VII-1 Continue on Reverse



1

Part C - List each pollutant shown in Table 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

[illegible]

Part D – Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event (gallons/minute or specify units)	6. Total flow from rain event (gallons or specify units)
		N/A			

7. Provide a description of the method of flow measurement or estimate.

	N/A
--	-----

## Attachment 1

**PUBLIC NOTICE BILLING INFORMATION**

I hereby authorize the Virginia Department of Environmental Quality to have the cost of publishing a public notice billed to the Agent/Department shown below. The public notice will be published once a week for two consecutive weeks in accordance with 9VAC25-31-290.C.2.

Agent/Department to be billed: Mr. Thomas Smith / Solid Waste Division Chief

Owner: Prince William County

Applicant's Address: 5 County Complex Court, Suite 250

Woodbridge, VA 22192

Agent's Telephone Number: (703) 792-6254

Authorizing Agent:

  
Signature

VPDES Permit - VA0088510

Facility Name – Balls Ford Road Yard Waste Composting Facility

Please return to:

Susan Mackert  
VA-DEQ, NRO  
13901 Crown Court  
Woodbridge, VA 22193-1453  
Fax: (703) 583-3821

## Attachment 2

## VPDES Permit Application Addendum

1. **Entity to whom the permit is to be issued:** Prince William County Board of Supervisors

*Who will be legally responsible for the wastewater treatment facilities and compliance with the permit? This may or may not be the facility or property owner.*

2. **Is this facility located within city or town boundaries?** Yes ☐ No ☒

3. **Provide the tax map parcel number for the land where the discharge is located.** Attached

4. **For the facility to be covered by this permit, how many acres will be disturbed during the next five years due to new construction activities?** N/A

5. **What is the design average effluent flow of this facility?** 0.03 MGD

**For industrial facilities, provide the max. 30-day average production level, include units:**

N/A

**In addition to the design flow or production level, should the permit be written with limits for any other discharge flow tiers or production levels?** Yes ☐ No ☒

If "Yes", please identify the other flow tiers (in MGD) or production levels:

*Please consider the following questions for both the flow tiers and the production levels (if applicable): Do you plan to expand operations during the next five years? Is your facility's design flow considerably greater than your current flow?*

6. **Nature of operations generating wastewater:**

Rainfall

0 % of flow from domestic connections/sources

Number of private residences to be served by the treatment works: 0

0 % of flow from non-domestic connections/sources

7. **Mode of discharge:** ☐ Continuous ☒ Intermittent ☐ Seasonal

Describe frequency and duration of intermittent or seasonal discharges:

When it rains there usually is a discharge. But in dry months there sometimes is no discharge.

8. **Identify the characteristics of the receiving stream at the point just above the facility's discharge point:**

☐ Permanent stream, never dry

☐ Intermittent stream, usually flowing, sometimes dry

☒ Ephemeral stream, wet-weather flow, often dry

☐ Effluent-dependent stream, usually or always dry without effluent flow

☐ Lake or pond at or below the discharge point

☐ Other: \_\_\_\_\_

9. **Approval Date(s):**

**O & M Manual** 12/11/2014

**Sludge/Solids Management Plan** N/A

Have there been any changes in your operations or procedures since the above approval dates? Yes ☐ No ☒

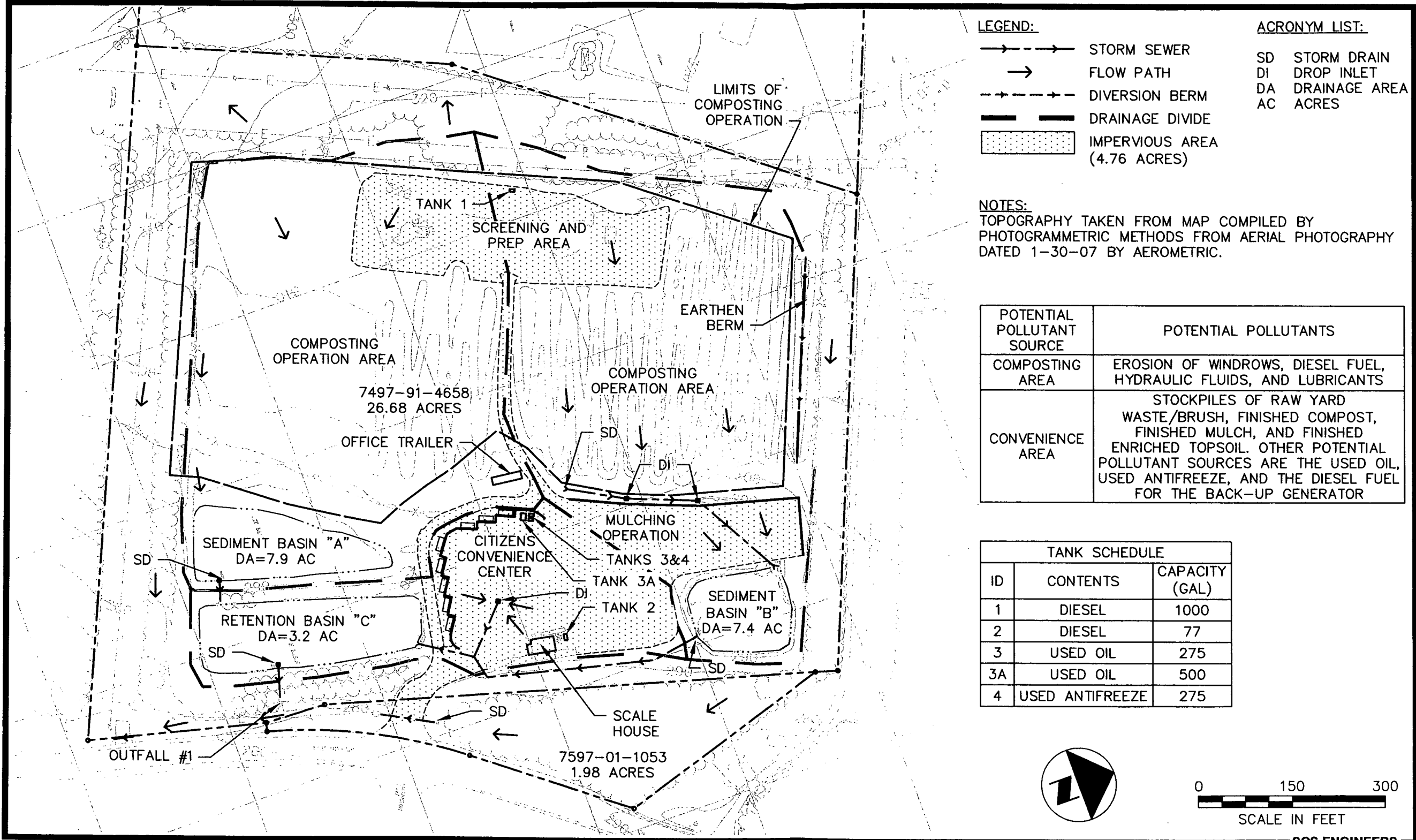
## Attachment 3





The information contained on this page is not to be construed or used as a legal description. Map information is believed to be accurate but accuracy is not guaranteed. Any errors or omissions should be reported to the Prince William County Geographic Information Systems Division of the Department of Information Technology. In no event will Prince William County be liable for any damages, including loss of data, lost profits, business interruption, loss of business information or other pecuniary loss that might arise from the use of this map or the information it contains.





LEGEND:

- >--- STORM SEWER
- FLOW PATH
- - - - - DIVERSION BERM
- — — — — DRAINAGE DIVIDE
- [Hatched Box] IMPERVIOUS AREA (4.76 ACRES)

ACRONYM LIST:

- SD STORM DRAIN
- DI DROP INLET
- DA DRAINAGE AREA
- AC ACRES

NOTES:

TOPOGRAPHY TAKEN FROM MAP COMPILED BY PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHY DATED 1-30-07 BY AEROMETRIC.

POTENTIAL POLLUTANT SOURCE	POTENTIAL POLLUTANTS
COMPOSTING AREA	EROSION OF WINDROWS, DIESEL FUEL, HYDRAULIC FLUIDS, AND LUBRICANTS
CONVENIENCE AREA	STOCKPILES OF RAW YARD WASTE/BRUSH, FINISHED COMPOST, FINISHED MULCH, AND FINISHED ENRICHED TOPSOIL. OTHER POTENTIAL POLLUTANT SOURCES ARE THE USED OIL, USED ANTIFREEZE, AND THE DIESEL FUEL FOR THE BACK-UP GENERATOR

TANK SCHEDULE		
ID	CONTENTS	CAPACITY (GAL)
1	DIESEL	1000
2	DIESEL	77
3	USED OIL	275
3A	USED OIL	500
4	USED ANTIFREEZE	275

BALLS FORD ROAD COMPOST FACILITY SWPPP - EXHIBIT 2



## Attachment 4



1941 Reymet Road • Richmond, Virginia 23237 • Tel: (804)-358-8295 Fax: (804)-358-8297

## Certificate of Analysis

*Final Report*

Laboratory Order ID 15B0303

Client Name: Prince William County  
5 County Complex Court Suite 250  
Prince William, Virginia 22192

Date Received: February 24, 2015 8:00

Date Issued: March 2, 2015 15:42

Project Number: [none]

Submitted To: Bernard C. Osilka

Purchase Order:

Client Site I.D.: Balls Ford Road, Pond 1

Enclosed are the results of analyses for samples received by the laboratory on 02/24/2015 08:00. If you have any questions concerning this report, please feel free to contact the laboratory.

Sincerely,

A handwritten signature in black ink that reads "Ted Soyars".

Ted Soyars  
Laboratory Manager

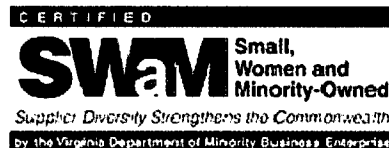
### End Notes:

The test results listed in this report relate only to the samples submitted to the laboratory and as received by the Laboratory.

Unless otherwise noted, the test results for solid materials are calculated on a wet weight basis. Analyses for pH, dissolved oxygen, temperature, residual chlorine and sulfite that are performed in the laboratory do not meet NELAC requirements due to extremely short holding times. These analyses should be performed in the field. The results of field analyses performed by the Sampler included in the Certificate of Analysis are done so at the client's request and are not included in the laboratory's fields of certification nor have they been audited for adherence to a reference method or procedure.

The signature on the final report certifies that these results conform to all applicable NELAC standards unless otherwise specified. For a complete list of the Laboratory's NELAC certified parameters please contact customer service.

This report shall not be reproduced except in full without the expressed and written approval of an authorized representative of Air Water & Soil Laboratories, Inc.





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## Certificate of Analysis

### *Final Report*

Laboratory Order ID 15B0303

Client Name:	Prince William County 5 County Complex Court Suite 25C Prince William Virginia, 22192	Date Received:	February 24, 2015 8:00
		Date Issued:	March 2, 2015 15:42
Submitted To:	Bernard C. Osilka	Project Number:	[none]
Client Site I.D.:	Balls Ford Road, Pond 1	Purchase Order:	

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Pond 1	15B0303-01	Waste Water	02/23/2015 13:00	02/24/2015 08:00



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## Certificate of Analysis

### Final Report

Laboratory Order ID 15B0303

Client Name:	Prince William County	Date Received:	February 24, 2015 8:00
	5 County Complex Court Suite 25C	Date Issued:	March 2, 2015 15:42
	Prince William Virginia, 22192		
Submitted To:	Bernard C. Osilka	Project Number:	[none]
Client Site I.D.:	Balls Ford Road, Pond 1	Purchase Order:	

#### Analytical Results

Sample I.D. Pond 1				Laboratory Sample ID: 15B0303-01					
Date/Time Sampled: 02/23/2015 13:00				Reporting	Sample Prep	Analysis			
Parameter	Samp ID	Method	Result	Qual	Limit	D.F.	Date/Time	Date/Time	Analyst
<b>Wet Chemistry Analysis</b>									
Ammonia as N	01	EPA350.1 R2.0	3.05 mg/L		0.10	1	03/02/15 13:36	03/02/15 13:36	LAO
BOD	01	SM22 5210B-2011	20.2 mg/L		2.0	1	02/25/15 09:33	03/02/15 14:05	DLF
COD	01	SM22 5220D-2011	324 mg/L		100	1	02/27/15 11:00	02/27/15 11:00	LAO
Oil and Grease	01	EPA1664A	<5.0 mg/L		5.0	1	02/25/15 12:58	02/25/15 12:58	TLA
Phosphorus, Total	01	SM22 4500PE-2011	1.10 mg/L		0.10	1	02/24/15 10:20	02/24/15 10:20	TLA
TSS	01	SM22 2540D-2011	43.0 mg/L		1.0	1	02/24/15 10:37	02/24/15 10:37	LBH

#### Analytical Summary

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
<b>Wet Chemistry Analysis</b>			<b>Preparation Method:</b>	<b>No Prep Wet Chem</b>	
15B0303-01	5.00 mL / 25.0 mL	SM22 4500PE-2011	BYB0428	SYB0516	AA50091
15B0303-01	200 mL / 200 mL	SM22 2540D-2011	BYB0441	SYB0533	
15B0303-01	980 mL / 980 mL	EPA1664A	BYB0456	SYB0567	
15B0303-01	300 mL / 300 mL	SM22 5210B-2011	BYB0465	SYB0559	
15B0303-01	0.200 mL / 2.00 mL	SM22 5220D-2011	BYB0487	SYB0575	AA50076
15B0303-01	6.00 mL / 6.00 mL	EPA350.1 R2.0	BYC0015	SYC0013	AC50004



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## Certificate of Analysis

### Final Report

Laboratory Order ID 15B0303

Client Name:	Prince William County 5 County Complex Court Suite 25C Prince William Virginia, 22192	Date Received:	February 24, 2015 8:00
		Date Issued:	March 2, 2015 15:42
Submitted To:	Bernard C. Osilka	Project Number:	[none]
Client Site I.D.:	Balls Ford Road, Pond 1	Purchase Order:	

### Wet Chemistry Analysis - Quality Control

#### Air Water & Soil Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
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#### Batch BYB0428 - No Prep Wet Chem

<b>Blank (BYB0428-BLK1)</b>				Prepared & Analyzed: 02/24/2015						
Phosphorus, Total	<0.02 mg/L	0.02	mg/L							
<b>LCS (BYB0428-BS1)</b>				Prepared & Analyzed: 02/24/2015						
Phosphorus, Total	0.50 mg/L	0.02	mg/L	0.500		101	80-120			
<b>LCS Dup (BYB0428-BSD1)</b>				Prepared & Analyzed: 02/24/2015						
Phosphorus, Total	0.52 mg/L	0.02	mg/L	0.500		104	80-120	3.32	20	

#### Batch BYB0441 - No Prep Wet Chem

<b>Blank (BYB0441-BLK1)</b>				Prepared & Analyzed: 02/24/2015						
TSS	<1.0 mg/L	1.0	mg/L							
<b>LCS (BYB0441-BS1)</b>				Prepared & Analyzed: 02/24/2015						
TSS	95.0 mg/L	1.0	mg/L	100		95.0	80-120			
<b>LCS Dup (BYB0441-BSD1)</b>				Prepared & Analyzed: 02/24/2015						
TSS	91.0 mg/L	1.0	mg/L	100		91.0	80-120	4.30	10	
<b>Duplicate (BYB0441-DUP1)</b>				Source: 15B0320-02 Prepared & Analyzed: 02/24/2015						
TSS	1.5 mg/L	1.0	mg/L	1.8 mg/L				15.4	30	

#### Batch BYB0456 - No Prep Wet Chem

<b>Blank (BYB0456-BLK1)</b>				Prepared & Analyzed: 02/25/2015						
Oil and Grease	<5.0 mg/L	5.0	mg/L							



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## Certificate of Analysis

### Final Report

Laboratory Order ID 15B0303

Client Name:	Prince William County	Date Received:	February 24, 2015 8:00
	5 County Complex Court Suite 25C	Date Issued:	March 2, 2015 15:42
	Prince William Virginia, 22192		
Submitted To:	Bernard C. Osilka	Project Number:	[none]
Client Site I.D.:	Balls Ford Road, Pond 1	Purchase Order:	

### Wet Chemistry Analysis - Quality Control

#### Air Water & Soil Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
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#### Batch BYB0456 - No Prep Wet Chem

##### LCS (BYB0456-BS1)

Prepared & Analyzed: 02/25/2015

Oil and Grease	40.4 mg/L	5.0	mg/L	40.0	101	78-114				
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##### LCS Dup (BYB0456-BSD1)

Prepared & Analyzed: 02/25/2015

Oil and Grease	39.6 mg/L	5.0	mg/L	40.0	99.0	78-114	2.00	20		
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##### Duplicate (BYB0456-DUP1)

Source: 15B0303-01

Prepared & Analyzed: 02/25/2015

Oil and Grease	<5.0 mg/L	5.0	mg/L	<5.0 mg/L			NA	20		
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##### Matrix Spike (BYB0456-MS1)

Source: 15B0292-01

Prepared & Analyzed: 02/25/2015

Oil and Grease	39.9 mg/L	5.0	mg/L	40.0	<5.0 mg/L	99.8	78-114			
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#### Batch BYB0465 - No Prep Wet Chem

##### Blank (BYB0465-BLK1)

Prepared: 02/25/2015 Analyzed: 03/02/2015

BOD	<2.0 mg/L	2.0	mg/L							BlkJ
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##### LCS (BYB0465-BS1)

Prepared: 02/25/2015 Analyzed: 03/02/2015

BOD	195 mg/L	2.0	mg/L	198	98.5	84.6-115.4				
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##### Duplicate (BYB0465-DUP1)

Source: 15B0320-03

Prepared: 02/25/2015 Analyzed: 03/02/2015

BOD	8.4 mg/L	2.0	mg/L	7.8 mg/L			8.00	20		
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#### Batch BYB0487 - No Prep Wet Chem

##### Blank (BYB0487-BLK1)

Prepared & Analyzed: 02/27/2015

COD	<10.0 mg/L	10.0	mg/L							
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## Certificate of Analysis

### Final Report

Laboratory Order ID 15B0303

Client Name:	Prince William County	Date Received:	February 24, 2015 8:00
	5 County Complex Court Suite 25C	Date Issued:	March 2, 2015 15:42
	Prince William Virginia, 22192		
Submitted To:	Bernard C. Osilka	Project Number:	[none]
Client Site I.D.:	Balls Ford Road, Pond 1	Purchase Order:	

### Wet Chemistry Analysis - Quality Control

#### Air Water & Soil Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
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#### Batch BYB0487 - No Prep Wet Chem

<b>LCS (BYB0487-BS1)</b>				Prepared & Analyzed: 02/27/2015						
COD	54.1 mg/L	10	mg/L	50.0		108	80-120			
<b>LCS Dup (BYB0487-BSD1)</b>				Prepared & Analyzed: 02/27/2015						
COD	51.5 mg/L	10	mg/L	50.0		103	80-120	4.90	20	
<b>Matrix Spike (BYB0487-MS1)</b>				Source: 15B0311-02		Prepared & Analyzed: 02/27/2015				
COD	314 mg/L	20.0	mg/L	100	211 mg/L	102	70-130			
<b>Matrix Spike Dup (BYB0487-MSD1)</b>				Source: 15B0311-02		Prepared & Analyzed: 02/27/2015				
COD	301 mg/L	20.0	mg/L	100	211 mg/L	89.4	70-130	4.22	20	

#### Batch BYC0015 - No Prep Wet Chem

<b>Blank (BYC0015-BLK1)</b>				Prepared & Analyzed: 03/02/2015						
Ammonia as N	<0.10 mg/L	0.10	mg/L							
<b>LCS (BYC0015-BS1)</b>				Prepared & Analyzed: 03/02/2015						
Ammonia as N	1.86 mg/L	0.1	mg/L	2.00		93.2	90-110			
<b>LCS Dup (BYC0015-BSD1)</b>				Prepared & Analyzed: 03/02/2015						
Ammonia as N	1.87 mg/L	0.1	mg/L	2.00		93.6	90-110	0.375	20	
<b>Matrix Spike (BYC0015-MS1)</b>				Source: 15B0375-03		Prepared & Analyzed: 03/02/2015				
Ammonia as N	5.49 mg/L	0.10	mg/L	2.00	3.25 mg/L	112	90-110			M
<b>Matrix Spike (BYC0015-MS2)</b>				Source: 15B0379-03		Prepared & Analyzed: 03/02/2015				
Ammonia as N	2.64 mg/L	0.10	mg/L	2.00	0.47 mg/L	109	90-110			



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## Certificate of Analysis

### Final Report

Laboratory Order ID 15B0303

Client Name:	Prince William County	Date Received:	February 24, 2015 8:00
	5 County Complex Court Suite 25C	Date Issued:	March 2, 2015 15:42
	Prince William Virginia, 22192		
Submitted To:	Bernard C. Osilka	Project Number:	[none]
Client Site I.D.:	Balls Ford Road, Pond 1	Purchase Order:	

### Wet Chemistry Analysis - Quality Control

#### Air Water & Soil Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
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#### Batch BYC0015 - No Prep Wet Chem

##### Matrix Spike Dup (BYC0015-MSD1)

Source: 15B0375-03

Prepared & Analyzed: 03/02/2015

Ammonia as N	5.42 mg/L	0.10	mg/L	2.00	3.25 mg/L	108	90-110	1.32	20	
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##### Matrix Spike Dup (BYC0015-MSD2)

Source: 15B0379-03

Prepared & Analyzed: 03/02/2015

Ammonia as N	2.60 mg/L	0.10	mg/L	2.00	0.47 mg/L	106	90-110	1.79	20	
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## Certificate of Analysis

### Final Report

Laboratory Order ID 15B0303

Client Name:	Prince William County 5 County Complex Court Suite 25C Prince William Virginia, 22192	Date Received:	February 24, 2015 8:00
		Date Issued:	March 2, 2015 15:42
Submitted To:	Bernard C. Osilka	Project Number:	[none]
Client Site I.D.:	Balls Ford Road, Pond 1	Purchase Order:	

### Certified Analyses included in this Report

Analyte	Certifications
<b>EPA1664A in Non-Potable Water</b> Oil and Grease	VELAP,NC
<b>EPA350.1 R2.0 in Non-Potable Water</b> Ammonia as N	VELAP,NC
<b>SM22 2540D-2011 in Non-Potable Water</b> TSS	VELAP,NC
<b>SM22 4500PE-2011 in Non-Potable Water</b> Phosphorus, Total	VELAP,NC
<b>SM22 5210B-2011 in Non-Potable Water</b> BOD	VELAP,NC
<b>SM22 5220D-2011 in Non-Potable Water</b> COD	VELAP,NC

Code	Description	Lab Number	Expires
VELAP	NELAC-Virginia Certificate #7626	460021	06/14/2015



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## Certificate of Analysis

### *Final Report*

Laboratory Order ID 15B0303

Client Name:	Prince William County 5 County Complex Court Suite 250 Prince William Virginia, 22192	Date Received:	February 24, 2015 8:00
		Date Issued:	March 2, 2015 15:42
Submitted To:	Bernard C. Osilka	Project Number:	[none]
Client Site I.D.:	Balls Ford Road, Pond 1	Purchase Order:	

### Summary of Data Qualifiers

Blk	Method Blank is less than the LOQ, but does not pass the 0.2 mg/L criteria.
M	Matrix spike recovery is outside established acceptance limits
RPD	Relative Percent Difference
Qual	Qualifiers
-RE	Denotes sample was re-analyzed
D.F.	Dilution Factor. Please also see the Preparation Factor in the Analysis Summary section.



1941 REYMET ROAD  
RICHMOND, VIRGINIA 23237  
(804) 358-8295 PHONE  
(804) 358-8297 FAX

Chain of Custody  
Form #: D1331  
Rev. 1.0  
Effective: Feb 14, 2014

### CHAIN OF CUSTODY

PAGE 1 OF 1

COMPANY NAME: <u>PWC BALLS FORD ROAD</u>	INVOICE TO: <u>← SAME</u>	PROJECT NAME/Quote #: <u>BALLS FORD ROAD</u>
CONTACT: <u>BERNIE OSILKA</u>	INVOICE CONTACT: <u>←</u>	SITE NAME: <u>BALLS FORD ROAD, POND 2</u>
ADDRESS: <u>13000 BALLS FORD ROAD</u>	INVOICE ADDRESS: <u>←</u>	PROJECT NUMBER:
PHONE #: <u>703-792-7966</u> MANASSAS, VA	INVOICE PHONE #:	P.O. #:
FAX #: <u>703-792-4617</u>	EMAIL: <u>BOOSILKA@PWCENVIL.ORG</u>	Pretreatment Program:
Is sample for compliance reporting? <u>(YES)</u> NO	Is sample from a chlorinated supply? YES NO	PWS I.D. #:
SAMPLER NAME (PRINT): <u>ROBERTO</u>	SAMPLER SIGNATURE: <u>R GONZALEZ</u>	Turn Around Time: <u>N/A</u> Day(s)

Matrix Codes: WW=Waste Water/Storm Water GW=Ground Water DW=Drinking Water S=Soil/Solids OR=Organic A=Air WP=Wipe OT=Other \_\_\_\_\_

CLIENT SAMPLE I.D.	Grab	Composite	Field Filtered (Dissolved Metals)	Composite Start Date	Composite Start Time	Grab Date or Composite Stop Date	Grab Time or Composite Stop Time	Time Preserved	Matrix (See Codes)	Number of Containers	ANALYSIS / (PRESERVATIVE)						Preservative Codes: N=Nitric Acid C=Hydrochloric Acid S=Sulfuric Acid H=Sodium Hydroxide A=Ascorbic Acid Z=Zinc Acetate T=Sodium Thiosulfate M=Methanol																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
1) POND 2	X					2/23/15	13:00		WW	6	1	TSS	1	BOD	1	OT+G	1	TOT PHOS/COD	1	TOTAL/COD	1	AMN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

RELINQUISHED: <u>BERNIE OSILKA</u> <u>2/23/15</u> <u>14:00</u>	RECEIVED: <u>FED EX FIRST OVERNIGHT</u> <u>24</u> <u>25 FEB 2015</u> <u>8:00</u>	QC Data Package	LAB USE ONLY	COOLER TEMP <u>3.6</u> °C
RELINQUISHED: <u>FED EX</u>	RECEIVED: <u>24</u> <u>25 FEB 2015</u> <u>8:00</u>	Level I <input type="checkbox"/>	<b>PWC</b> <b>Prince William County Landfill</b> <b>Recd: 02/24/2015 Due: 03/10/2015</b>	<b>15B0303</b>
RELINQUISHED:	RECEIVED:	Level II <input type="checkbox"/>		
RELINQUISHED:	RECEIVED:	Level III <input type="checkbox"/>		
RELINQUISHED:	RECEIVED:	Level IV <input type="checkbox"/>		

## ~~Sample Conditions Checklist~~

**PWC**

v130325002

**15B0303**

- YES**      **NO**      **N/A**

- [illegible]

**COMMENTS**

Page 11 of 12



Date Performed: 24 FEB 2016

Sample Preservation Log  
Form #: F1301  
Rev # 3.0  
Effective: Jan 14, 2014  
Page 1 of 1

Analyst Performing Check: Tu

**P/A = Present/Absent**

[illegible]

NaOH ID: \_\_\_\_\_

HCL ID: \_\_\_\_\_

H2SO4 ID: \_\_\_\_\_

HNO3 ID: \_\_\_\_\_



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## Certificate of Analysis

*Final Report*

Laboratory Order ID 15C0060

Client Name: Prince William County  
5 County Complex Court Suite 250  
Prince William, Virginia 22192

Date Received: March 4, 2015 10:21

Date Issued: March 9, 2015 16:52

Project Number: [none]

Purchase Order: DP153405

Submitted To: Bernard C. Osilka

Client Site I.D.: Balls Ford Road Pond 1

Enclosed are the results of analyses for samples received by the laboratory on 03/04/2015 10:21. If you have any questions concerning this report, please feel free to contact the laboratory.

Sincerely,

A handwritten signature in black ink that reads "Ted Soyars".

Ted Soyars  
Laboratory Manager

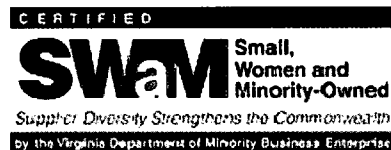
### End Notes:

The test results listed in this report relate only to the samples submitted to the laboratory and as received by the Laboratory.

Unless otherwise noted, the test results for solid materials are calculated on a wet weight basis. Analyses for pH, dissolved oxygen, temperature, residual chlorine and sulfite that are performed in the laboratory do not meet NELAC requirements due to extremely short holding times. These analyses should be performed in the field. The results of field analyses performed by the Sampler included in the Certificate of Analysis are done so at the client's request and are not included in the laboratory's fields of certification nor have they been audited for adherence to a reference method or procedure.

The signature on the final report certifies that these results conform to all applicable NELAC standards unless otherwise specified. For a complete list of the Laboratory's NELAC certified parameters please contact customer service.

This report shall not be reproduced except in full without the expressed and written approval of an authorized representative of Air Water & Soil Laboratories, Inc.





1941 Reymet Road • Richmond, Virginia 23230 • Tel: (804)-358-8295 Fax: (804)-358-8297

## Certificate of Analysis

### *Final Report*

Laboratory Order ID 15C0060

Client Name:	Prince William County	Date Received:	March 4, 2015 10:21
	5 County Complex Court Suite 25C	Date Issued:	March 9, 2015 16:52
	Prince William Virginia, 22192		
Submitted To:	Bernard C. Osilka	Project Number:	[none]
Client Site I.D.:	Balls Ford Road Pond 1	Purchase Order:	DP153405

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Pond 1	15C0060-01	Waste Water	02/23/2015 13:00	03/04/2015 10:21



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	Prince William Virginia, 22192		
Submitted To:	Bernard C. Osilka	Project Number:	[none]
Client Site I.D.:	Balls Ford Road Pond 1	Purchase Order:	DP153405

### Analytical Results

Sample I.D. Pond 1				Laboratory Sample ID: 15C0060-01					
Date/Time Sampled: 02/23/2015 13:00									
Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
<b>Wet Chemistry Analysis</b>									
Nitrate+Nitrite as N	01	SM22 4500-NO3F-2011	0.28 mg/L		0.10	1	03/09/15 13:22	03/09/15 13:22	LAO
Nitrogen, Total	01	Calc	11.8 mg/L		0.60	1	03/09/15 13:22	03/09/15 13:22	TLA
TKN as N	01	EPA351.2 R2.0	11.5 mg/L		0.50	1	03/09/15 11:47	03/09/15 11:47	TLA

### Analytical Summary

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
<b>Wet Chemistry Analysis</b>					
15C0060-01	25.0 mL / 25.0 mL	EPA351.2 R2.0	BYC0112	SYC0170	AC50033
15C0060-01	5.00 mL / 5.00 mL	SM22 4500-NO3F-2011	BYC0155	SYC0181	AC50034





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	Prince William Virginia, 22192		
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Client Site I.D.:	Balls Ford Road Pond 1	Purchase Order:	DP153405

### Wet Chemistry Analysis - Quality Control

#### Air Water & Soil Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
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#### Batch BYC0112 - No Prep Wet Chem

##### Blank (BYC0112-BLK1)

Prepared & Analyzed: 03/09/2015

TKN as N	<0.50 mg/L	0.50	mg/L							
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##### LCS (BYC0112-BS1)

Prepared & Analyzed: 03/09/2015

TKN as N	10.5 mg/L	0.50	mg/L	10.0		105	90-110			
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##### LCS Dup (BYC0112-BSD1)

Prepared & Analyzed: 03/09/2015

TKN as N	10.4 mg/L	0.50	mg/L	10.0		104	90-110	0.680	20	
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##### Matrix Spike (BYC0112-MS1)

Source: 15C0061-08

Prepared & Analyzed: 03/09/2015

TKN as N	11.2 mg/L	0.50	mg/L	10.0	0.99 mg/L	102	90-110			
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##### Matrix Spike (BYC0112-MS2)

Source: 15C0061-10

Prepared & Analyzed: 03/09/2015

TKN as N	11.9 mg/L	0.50	mg/L	10.0		119	90-110			M
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##### Matrix Spike Dup (BYC0112-MSD1)

Source: 15C0061-08

Prepared & Analyzed: 03/09/2015

TKN as N	11.2 mg/L	0.50	mg/L	10.0	0.99 mg/L	102	90-110	0.294	20	
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##### Matrix Spike Dup (BYC0112-MSD2)

Source: 15C0061-10

Prepared & Analyzed: 03/09/2015

TKN as N	12.1 mg/L	0.50	mg/L	10.0		121	90-110	1.96	20	M
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#### Batch BYC0155 - No Prep Wet Chem

##### Blank (BYC0155-BLK1)

Prepared & Analyzed: 03/09/2015

Nitrate+Nitrite as N	<0.10 mg/L	0.10	mg/L							
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##### LCS (BYC0155-BS1)

Prepared & Analyzed: 03/09/2015

Nitrate+Nitrite as N	2.46 mg/L	0.1	mg/L	2.50		98.4	80-120			
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## Certificate of Analysis

### Final Report

Laboratory Order ID 15C0060

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	5 County Complex Court Suite 25C	Date Issued:	March 9, 2015 16:52
	Prince William Virginia, 22192		
Submitted To:	Bernard C. Osilka	Project Number:	[none]
Client Site I.D.:	Balls Ford Road Pond 1	Purchase Order:	DP153405

### Wet Chemistry Analysis - Quality Control

#### Air Water & Soil Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
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#### Batch BYC0155 - No Prep Wet Chem

##### LCS Dup (BYC0155-BSD1)

Prepared & Analyzed: 03/09/2015

Nitrate+Nitrite as N	2.46 mg/L	0.1	mg/L	2.50		98.3	80-120	0.0407	20	
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##### Matrix Spike (BYC0155-MS1)

Source: 15C0073-05

Prepared & Analyzed: 03/09/2015

Nitrate+Nitrite as N	4.97 mg/L	0.10	mg/L	2.50	1.99 mg/L	119	75-125			
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##### Matrix Spike (BYC0155-MS2)

Source: 15C0121-03

Prepared & Analyzed: 03/09/2015

Nitrate+Nitrite as N	6.44 mg/L	0.10	mg/L	2.50	3.47 mg/L	119	75-125			
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##### Matrix Spike Dup (BYC0155-MSD1)

Source: 15C0073-05

Prepared & Analyzed: 03/09/2015

Nitrate+Nitrite as N	4.93 mg/L	0.10	mg/L	2.50	1.99 mg/L	118	75-125	0.768	20	
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##### Matrix Spike Dup (BYC0155-MSD2)

Source: 15C0121-03

Prepared & Analyzed: 03/09/2015

Nitrate+Nitrite as N	6.49 mg/L	0.10	mg/L	2.50	3.47 mg/L	121	75-125	0.866	20	
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## Certificate of Analysis

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	5 County Complex Court Suite 25C	Date Issued:	March 9, 2015 16:52
	Prince William Virginia, 22192		
Submitted To:	Bernard C. Osilka	Project Number:	[none]
Client Site I.D.:	Balls Ford Road Pond 1	Purchase Order:	DP153405

### Certified Analyses included in this Report

Analyte		Certifications	
<b>EPA351.2 R2.0 in Non-Potable Water</b>			
TKN as N		VELAP,NC	
<b>SM22 4500-NO3F-2011 in Non-Potable Water</b>			
Nitrate+Nitrite as N		VELAP	
Code	Description	Lab Number	Expires
MdDOE	Maryland DE Drinking Water	341	12/31/2015
NC	North Carolina DENR	495	12/31/2015
PADEP	NELAC-Pennsylvania	001	10/31/2015
VELAP	NELAC-Virginia Certificate #7656	460021	06/14/2015
WVDEP	West Virginia DEP	350	11/30/2015



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## Certificate of Analysis

### *Final Report*

Laboratory Order ID 15C0060

Client Name:	Prince William County 5 County Complex Court Suite 25C Prince William Virginia, 22192	Date Received:	March 4, 2015 10:21
		Date Issued:	March 9, 2015 16:52
Submitted To:	Bernard C. Osilka	Project Number:	[none]
Client Site I.D.:	Balls Ford Road Pond 1	Purchase Order:	DP153405

### Summary of Data Qualifiers

M	Matrix spike recovery is outside established acceptance limits
RPD	Relative Percent Difference
Qual	Qualifiers
-RE	Denotes sample was re-analyzed
D.F.	Dilution Factor. Please also see the Preparation Factor in the Analysis Summary section.



1941 REYMET ROAD  
RICHMOND, VIRGINIA 23237  
(804) 358-8295 PHONE  
(804) 358-8297 FAX

Chain of Custody  
Form #: 01331  
Rev. 1.0  
Effective Feb 14, 2014

# CHAIN OF CUSTODY

PAGE 1 OF 1

COMPANY NAME: PWC BALLS FOR ROAD		INVOICE TO: ← SAME		PROJECT NAME/Quote #: BALLS FOR ROAD	
CONTACT: BERNIE OSILKA		INVOICE CONTACT: ←		SITE NAME: BALLS FOR ROAD, POND 2	
ADDRESS: 13000 BALLS FORD ROAD		INVOICE ADDRESS: ←		PROJECT NUMBER:	
PHONE # 703-72-7966 MANASSAS, VA		INVOICE PHONE #:		P.O. #:	
FAX # 703-792-4617		EMAIL: BOSILKA@PWC.GOV.JR		Pretreatment Program:	
Is sample for compliance reporting? YES NO		Is sample from a chlorinated supply? YES NO		PWS I.D. #:	
SAMPLER NAME (PRINT): ROBERTO		SAMPLER SIGNATURE: R GONZALEZ		Turn Around Time: N/A Day(s)	
Matrix Codes: WWS-Waste Water/Storm Water GWS-Ground Water DWS-Drinking Water S-Solids OR-Organic A-Air WP-Wipe OT-Other					
COMMENTS					
<p>CLIENT SAMPLE I.D.</p> <p>Grab Composite Field Filled (Dissolved Metals) Composite Start Date Composite Start Time Grab Date or Composite Stop Date Grab Time or Composite Stop Time Time Preserved Matrix (See Codes) Number of Containers</p> <p>ANALYSIS / (PRESERVATIVE)</p> <p>TSS BOD COD TOT PHOS/COD RTOTAL/COD ANN TOTAL NITRATE</p> <p>3/4/15 B6</p> <p>PLEASE NOTE PRESERVATIVE INTERFERENCE CHECKS or PUMP RATE (L/min)</p>					
<p>1) POND 2 X</p> <p>2)</p> <p>3)</p> <p>4)</p> <p>5)</p> <p>6)</p> <p>7)</p> <p>8)</p> <p>9)</p> <p>10)</p>					
RELINQUISHED: BERNIE OSILKA 8/23/15 14:00		RECEIVED: FED EX FIRST OVERSIGHT 24 FEB 2015 8:00		QC Data Package	
RELINQUISHED: FED EX		RECEIVED:		LAB USE ONLY	
DATE / TIME		DATE / TIME		COOLER TEMP 3.6 °C	
DATE / TIME		DATE / TIME		Level I <input type="checkbox"/>	
DATE / TIME		DATE / TIME		Level II <input type="checkbox"/>	
DATE / TIME		DATE / TIME		Level III <input type="checkbox"/>	
DATE / TIME		DATE / TIME		Level IV <input type="checkbox"/>	

15C0060

PWC  
Prince William County Landfill  
Recd: 03/04/2015 Due: 03/06/2015

v130325002



1941 Reymet Road • Richmond, Virginia 23237 • Tel : (804) 358-8295 Fax: (804) 358-8297

### Sample Conditions Checklist

Opened by: (Initials)

Lab ID No.:

Date Cooler Opened:

15B0303

PWC

Prince William County Landfill

Recd: 02/24/2015 Due: 03/10/2015

v130325002

1. How were samples received?

Fed Ex ☒  
UPS ☐  
Courier ☐  
Walk In ☐

YES NO N/A

2. Were custody seals used?

☒ ☐ ☐

3. If yes, are custody seals unbroken and intact at the date and time of arrival?

☒ ☐ ☐

4. Are the custody papers filled out completely and correctly?

☒ ☐ ☐

5. Do all bottle labels agree with custody papers?

☒ ☐ ☐

6. Are the samples received on ice?

☒ ☐ ☐

7. Is the temperature blank or representative sample within acceptable limits?  
(above freezing to 6°C)

☒ ☐ ☐

8. Are all samples within holding time for requested laboratory tests?

☒ ☐ ☐

9. Is a sufficient amount of sample provided to perform the tests indicated?

☒ ☐ ☐

10. Are all samples in proper containers for the analyses requested?

☒ ☐ ☐

11. Are all samples appropriately preserved for the analyses requested?

☒ ☐ ☐

12. Are all volatile organic containers free of headspace?

☐ ☐ ☒

13. Are all TOX containers free of headspace?

☐ ☐ ☒

14. Is Trip blank provided with each VOC sample set? Circle applicable method:  
(Document if trip blank is not received with the sample set)

☐ ☐ ☒

EPA 8011

EPA 504

EPA 8260

EPA 624

RSK-175

EPA 8015 (GRO)

EPA 8021

EPA 524

GRO Wisconsin DNR (water and/or methanol trip blank must be provided)

### COMMENTS

Relog from sample ID # 15B0303.

B. OSIKA has requested we run original  
sample for Total Nitrogen on a 2 day  
TAT. KLC 3-4-15

FOR LAB USE ONLY:

PWC

Prince William County Landfill

Recd: 03/04/2015 Due: 03/06/2015

v130325002

CrVI preserved date/time: \_\_\_\_\_

Buffer Sol'n ID: \_\_\_\_\_

Analyst initials: \_\_\_\_\_

1N NaOH ID: \_\_\_\_\_ or

5N NaOH ID: \_\_\_\_\_

THIS DOCUMENT IS UNCONTROLLED WHEN PRINTED  
F1302 Sample

Page 9 of 10



## Sample Preservation Log

Sample Preservation Log  
Form #: F1301  
Rev # 3.0  
Effective: Jan 14, 2014  
Page 1 of 1

Order ID 15B0303 15C0060

Date Performed: 24 Feb 70

Analyst Performing Check: T

**P/A = Present/Absent**

[illegible]

NaOH ID: \_\_\_\_\_

HCL ID: \_\_\_\_\_

H2SO4 ID: \_\_\_\_\_

HNO3 ID: \_\_\_\_\_